

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-208074

(43)Date of publication of application : 07.08.1998

(51)Int.Cl.

G06T 15/00

H04N 13/02

(21)Application number : 09-009275

(71)Applicant : HITACHI LTD

(22)Date of filing : 22.01.1997

(72)Inventor : NOYAMA HIDEO
KATO MAKOTO
TOKUYAMA HIDEKI

(54) PICTURE GENERATION METHOD

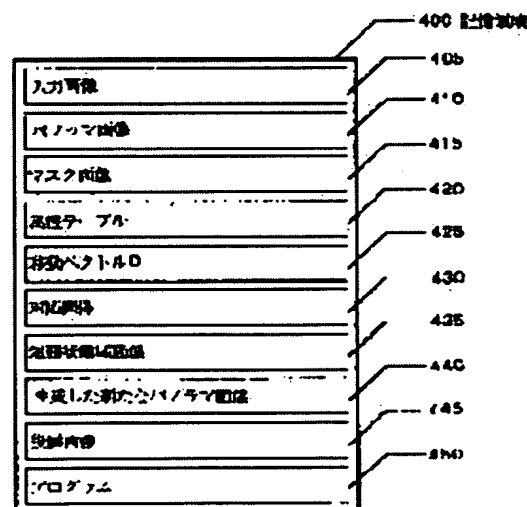
(57)Abstract:

PROBLEM TO BE SOLVED: To change the view point to observe a picture from various view point positions by using pictures taken in plural different photographing positions to generate a picture which may be obtained at the time of photographing in an assumed photographing position.

SOLUTION: An inputted picture is stored in a storage area 405 reserved in a storage area 400 on a storage device.

Two sets of pictures photographed in two or more positions are inputted. Plural generated panorama pictures are divided into pictures of plural areas in accordance with objects in these pictures. Attribute information indicating the sequence of superposition synthesis to respective area pictures is defined. How the whole of panorama pictures should be distorted for each area picture is defined to

generate distortions. The relative view point of an observer with the photographing position of a digital camera as the reference and the sight direction indicating the direction which the observer is looking toward are inputted. Respective divided area pictures are deformed based on calculated extents of distortion of these picture areas, and they are synthesized by superposition in accordance with attribute information to generate a panorama picture.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office